



SAFETY DATA SHEET
MA644/650 EU ACTIVATOR

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME MA644/650 EU ACTIVATOR
 PRODUCT NO. Z0082EU
 SUPPLIER ITW Plexus
 UNIT 1 BUSHACRE COURT,
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2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|--------------------------|-----------|------------|---------|-----------------|
| BENZOYL PEROXIDE | 202-327-6 | 94-36-0 | 1-10% | E;R2 R43 Xi;R36 |
| DIISOBUTYL PHTHALATE | 201-553-2 | 84-69-5 | 30-60% | N;R50. |
| TEXANOL BENZYL PHTHALATE | | 16883-83-3 | 30-60% | - |

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

May cause fire. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION R43. O;R7. N;R50/53.

ENVIRONMENT

The product contains a substance which is very toxic to aquatic organisms.

HUMAN HEALTH

The product is irritating to eyes and skin.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Do not breathe vapour. Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

INHALATION

Move the exposed person to fresh air at once. Contact physician if discomfort continues.

INGESTION

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Drink plenty of water. Get medical attention.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.

MA644/650 EU ACTIVATOR**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Fire can be extinguished using: Water spray, foam, dry powder or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Keep up-wind to avoid fumes. Cool containers exposed to flames with water until well after the fire is out. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS

Avoid breathing fire vapours.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes. Remove sources of ignition.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Do not smoke, use naked flames or other sources of ignition. Keep away from heat, sparks and open flame. Avoid contact with skin and eyes. Do not breathe vapour. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep away from heat, sparks and open flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | Std | LT - ppm | LT - mg/m3 | ST - ppm | ST - mg/m3 |
|----------------------|-----|----------|------------|----------|------------|
| BENZOYL PEROXIDE | OES | | 5 mg/m3 | | |
| DIISOBUTYL PHTHALATE | OES | | 5 mg/m3 | | |

PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use protective gloves made of: Rubber or plastic.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving work place.

SKIN PROTECTION

Wear apron or protective clothing in case of contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

MA644/650 EU ACTIVATOR

| | | | |
|--------------------|----------------------|--------------------------|------------|
| APPEARANCE | Liquid | | |
| ODOUR | Mild Esters | | |
| BOILING POINT (°C) | >287 | MELTING POINT (°C) | n/d |
| RELATIVE DENSITY | n/d 20 °C | pH-VALUE, CONC. SOLUTION | <7 @ 20 °C |
| VISCOSITY | 25,000-35,000 cps 25 | FLASH POINT (°C) | >93 |

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Heating will generate vapours which may form explosive vapour/air mixtures.

MATERIALS TO AVOID

Avoid contact with: Strong acids. Bases, alkalies (inorganic). Bases, alkalies (organic). Strong oxidising agents. Amines.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Vapours/gases/fumes of: Acids - organic.

11 TOXICOLOGICAL INFORMATION

| | |
|----------------------|--------------------------|
| Name | BENZOYL PEROXIDE |
| Toxic Dose 1 - LD 50 | 7710 mg/kg (oral rat) |
| Name | DIISOBUTYL PHTHALATE |
| TOXIC DOSE 1 - LD 50 | >5, 000 mg/kg (oral rat) |
| TOXIC CONC. - LC 50 | >22.4 mg/l/4h (inh-rat) |

SKIN CONTACT

Irritating to skin. Risk of sensitisation or allergic reactions among sensitive individuals.

HEALTH WARNINGS

Prolonged exposure to the preparation may cause serious health effects.

TARGET ORGANS

Prolonged or repeated exposure may cause: May cause damage to the liver and kidneys. Respiratory system, lungs. Central nervous system.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Avoid release to the environment. The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

MOBILITY

Do not discharge into drains, water courses or onto the ground.

DEGRADABILITY

Assessment of biological degradability (Closed-Bottle Test) 60 %.

WATER HAZARD CLASSIFICATION

WGK 2

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

WASTE CLASS

08 04 09

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

MA644/650 EU ACTIVATOR

ADR CLASS

Not classified for transportation. MARINE POLLUTANT

No.

15 REGULATORY INFORMATION

LABELLING



Irritant



Dangerous for the environment

CONTAINS

BENZOYL PEROXIDE

RISK PHRASES

R43 May cause sensitisation by skin contact.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R7 May cause fire.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.
 S14 Keep away from acids, bases, reducing substances and heavy metals.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

16 OTHER INFORMATION

REVISION DATE 20/05/2005

REV. NO./REPL. SDS GENERATED 5

DATE 01.02.2005

RISK PHRASES IN FULL

NC Not classified.
 R2 Risk of explosion by shock, friction, fire or other sources of ignition.
 R36 Irritating to eyes.
 R43 May cause sensitisation by skin contact.
 R50 Very toxic to aquatic organisms.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.